

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022103.D
 Acq On : 01 May 2025 13:28
 Operator : SY/MD
 Sample : Q1922-03
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-R-VOC

Quant Time: May 02 01:29:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	301284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	575618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	508207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	185584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147736	53.087	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.180%	
35) Dibromofluoromethane	7.634	113	192387	50.590	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.180%	
50) Toluene-d8	10.109	98	680203	47.445	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.880%	
62) 4-Bromofluorobenzene	12.408	95	180430	37.385	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 74.760%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	917	Below Cal	#	56
31) Cyclohexane	7.707	56	5473	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	21165	4.143	ug/l #	48
38) Carbon Tetrachloride	7.713	117	29269	4.795	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2130	1.153	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	87607	55.112	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	87607	132.718	ug/l #	16

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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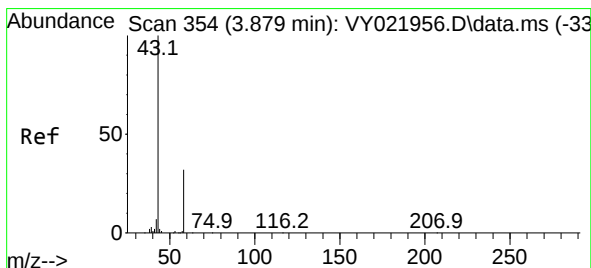
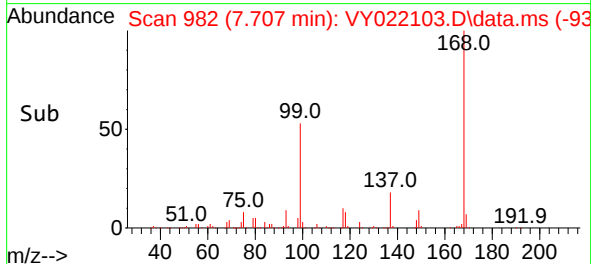
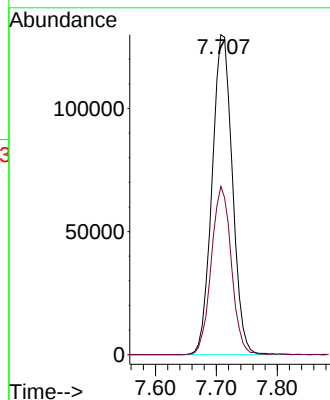
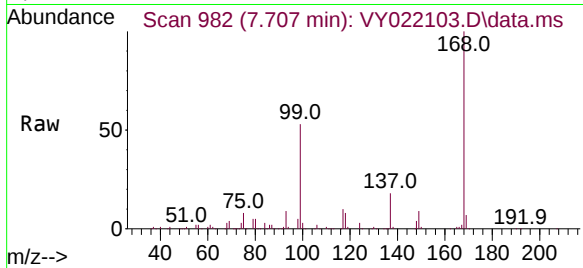




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022103.D
Acq: 01 May 2025 13:28

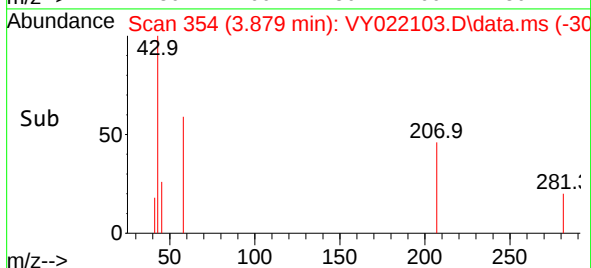
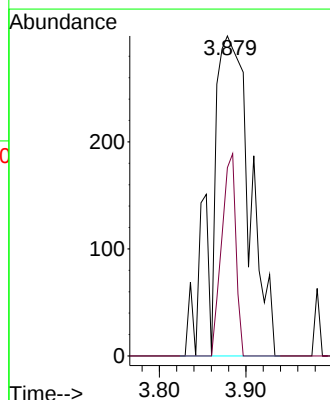
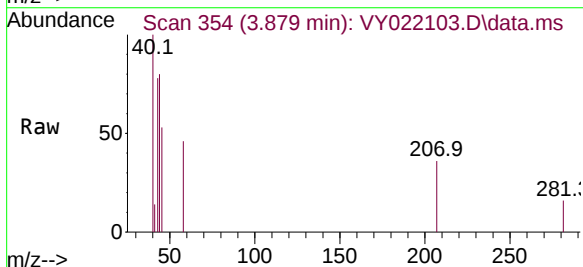
Instrument :
MSVOA_Y
ClientSampleId :
MH-R-VOC

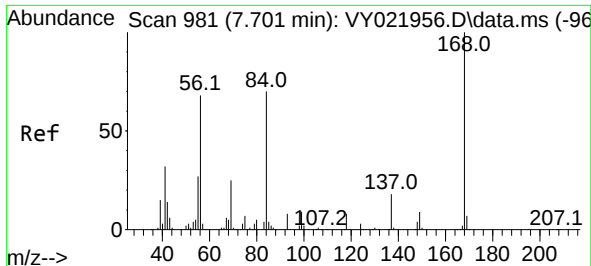
Tgt Ion:168 Resp: 301284
Ion Ratio Lower Upper
168 100
99 52.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022103.D
Acq: 01 May 2025 13:28

Tgt Ion: 43 Resp: 917
Ion Ratio Lower Upper
43 100
58 58.9 27.0 40.4#

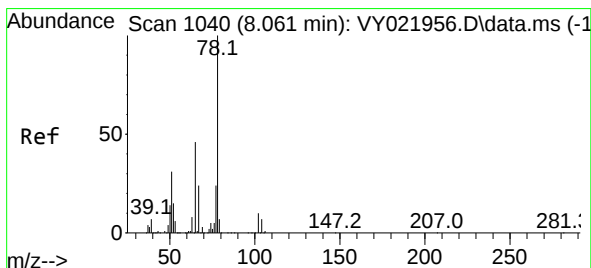
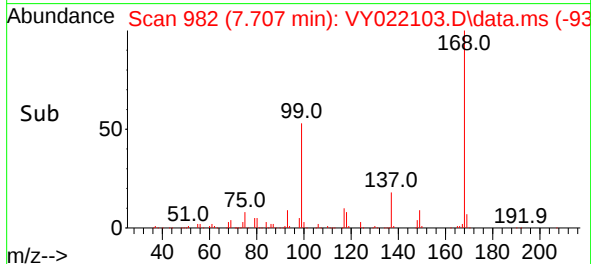
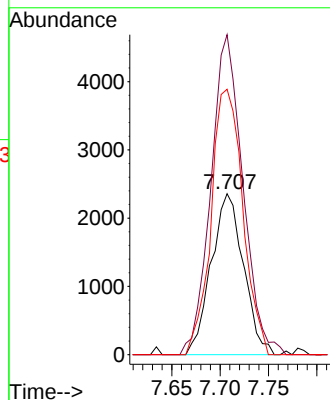
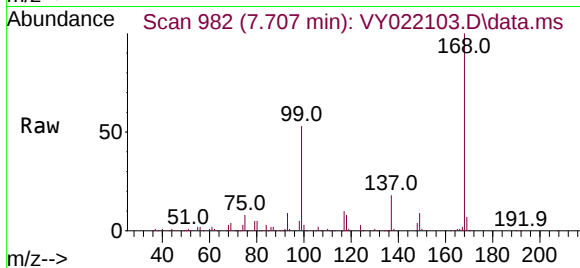




#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022103.D
Acq: 01 May 2025 13:28

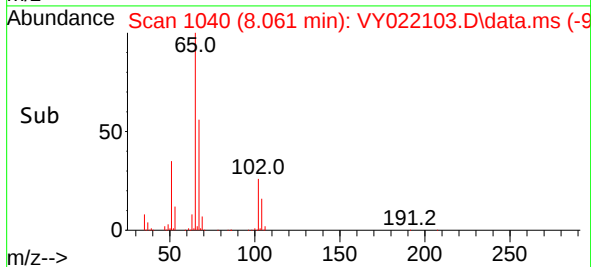
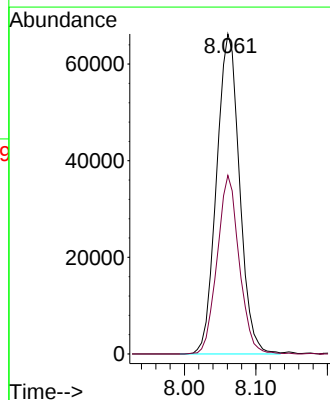
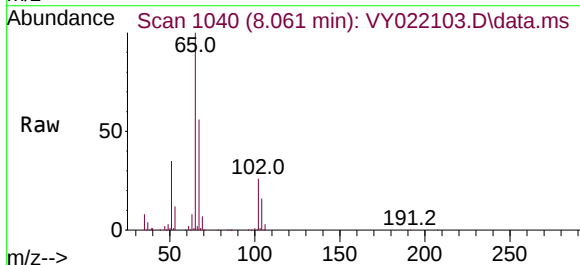
Instrument :
MSVOA_Y
ClientSampleId :
MH-R-VOC

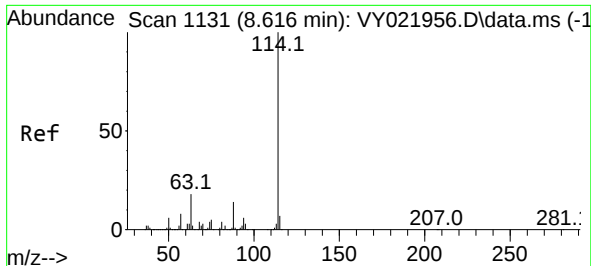
Tgt Ion: 56 Resp: 5473
Ion Ratio Lower Upper
56 100
69 198.8 29.4 44.2#
84 164.9 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 53.087 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022103.D
Acq: 01 May 2025 13:28

Tgt Ion: 65 Resp: 147736
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022103.D

Acq: 01 May 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

MH-R-VOC

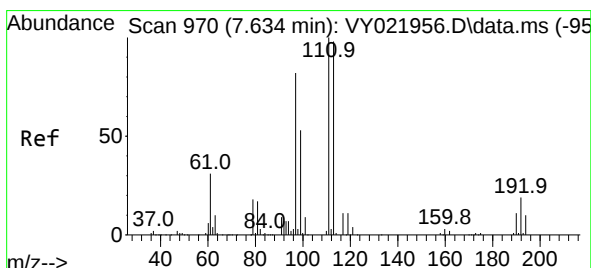
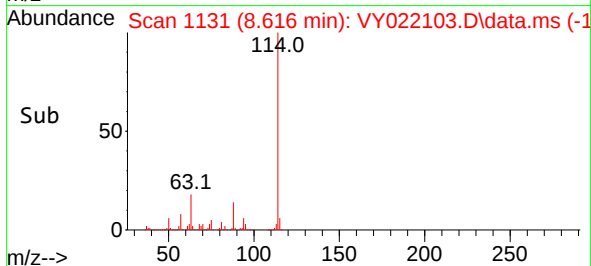
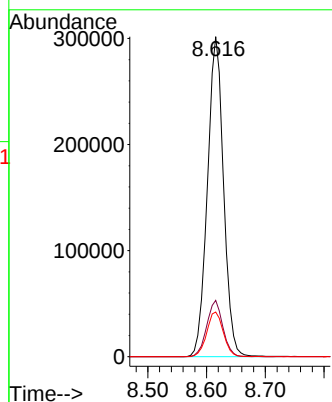
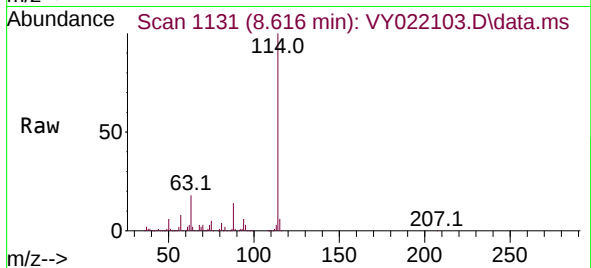
Tgt Ion:114 Resp: 575618

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

88 14.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.590 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022103.D

Acq: 01 May 2025 13:28

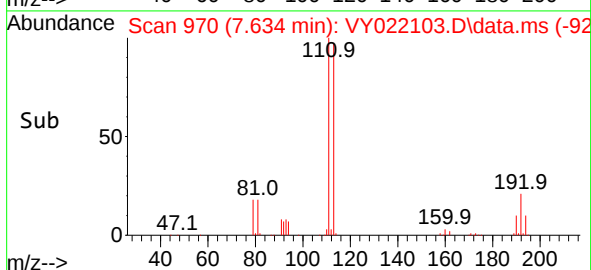
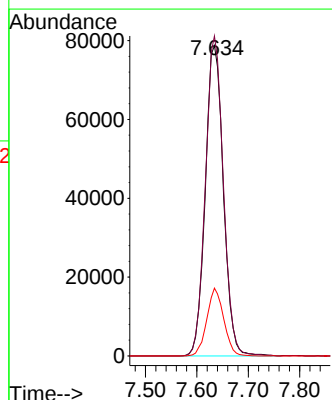
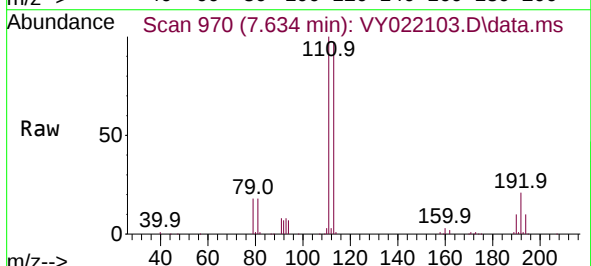
Tgt Ion:113 Resp: 192387

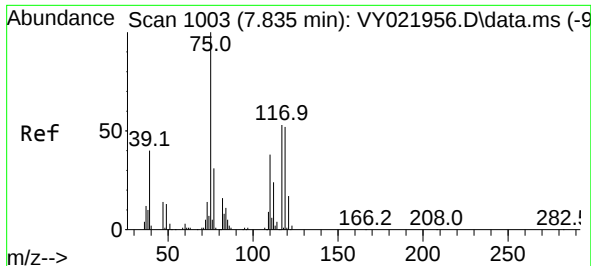
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 20.5 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.143 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022103.D

Acq: 01 May 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

MH-R-VOC

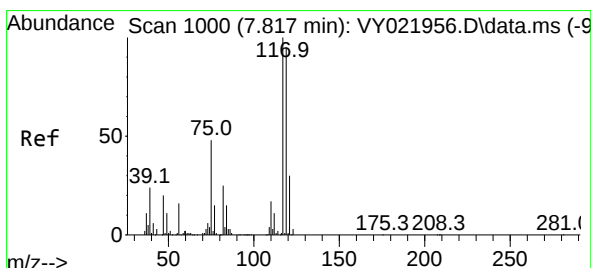
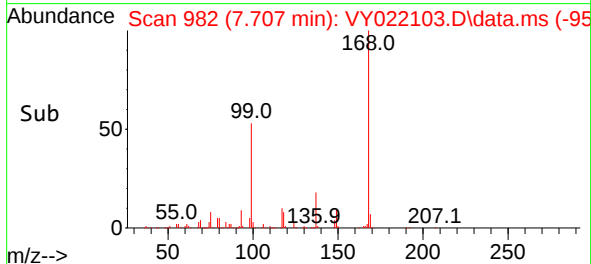
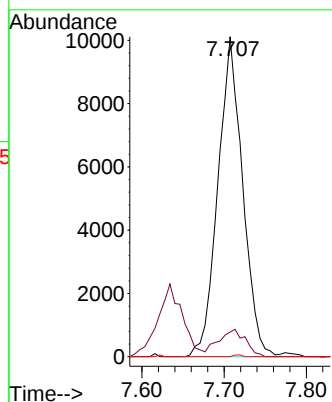
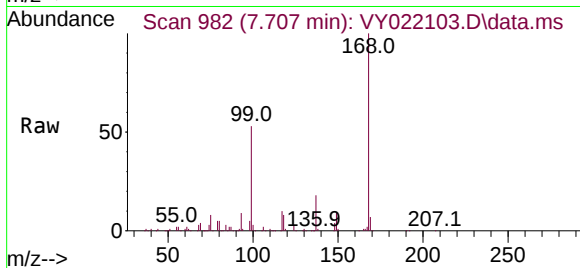
Tgt Ion: 75 Resp: 21165

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.2 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.795 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY022103.D

Acq: 01 May 2025 13:28

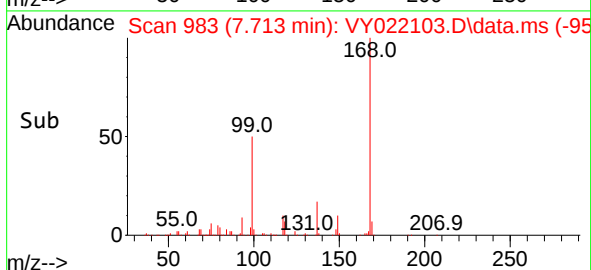
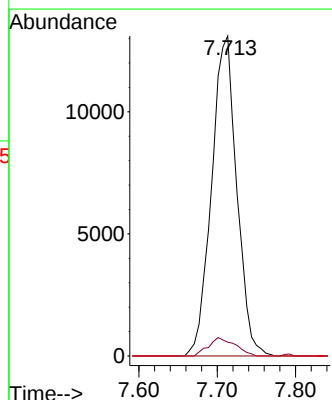
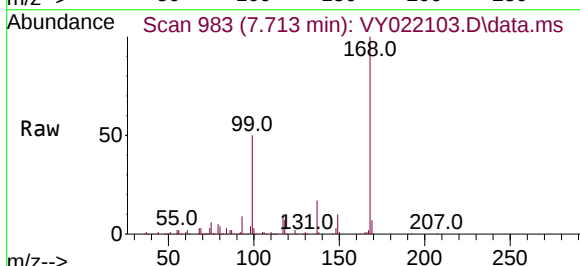
Tgt Ion: 117 Resp: 29269

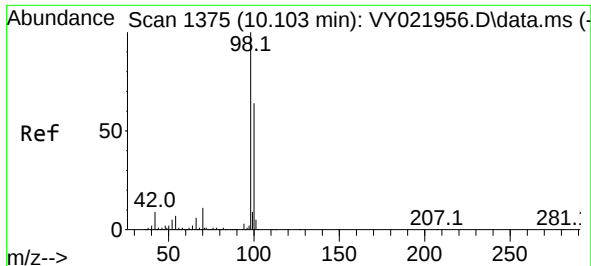
Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.4#

121 0.0 24.0 36.0#

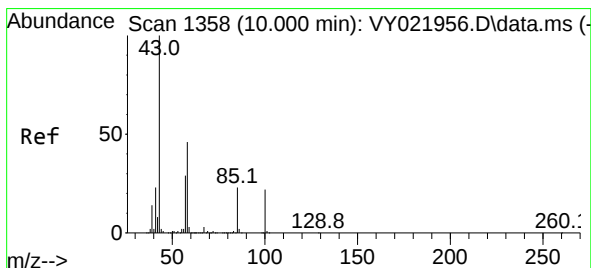
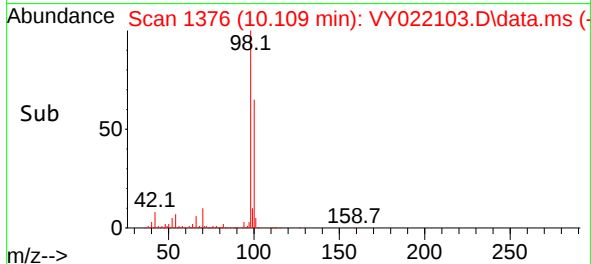
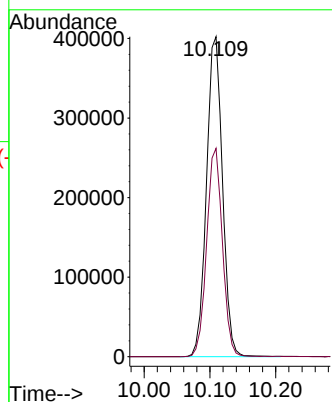
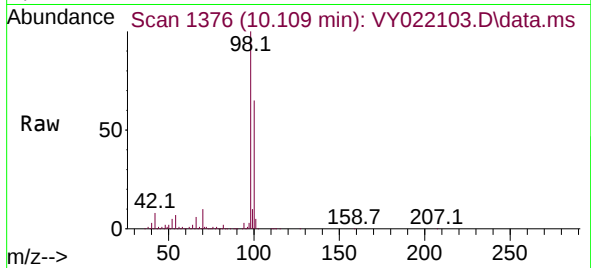




#50
Toluene-d8
Concen: 47.445 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022103.D
Acq: 01 May 2025 13:28

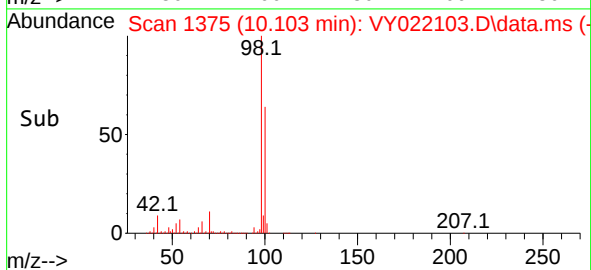
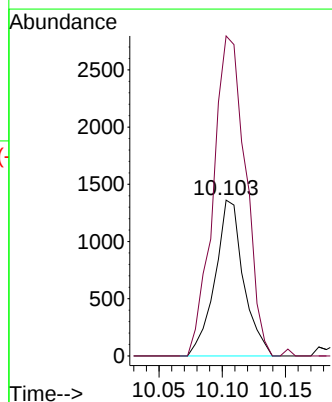
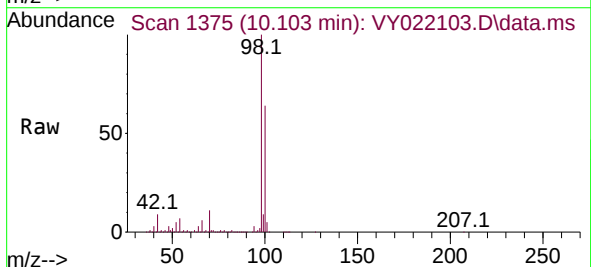
Instrument :
MSVOA_Y
ClientSampleId :
MH-R-VOC

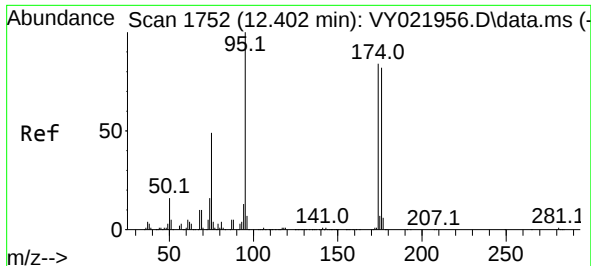
Tgt Ion: 98 Resp: 680203
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.153 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022103.D
Acq: 01 May 2025 13:28

Tgt Ion: 43 Resp: 2130
Ion Ratio Lower Upper
43 100
58 233.6 36.6 55.0#

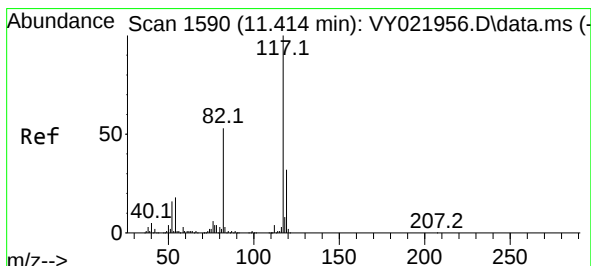
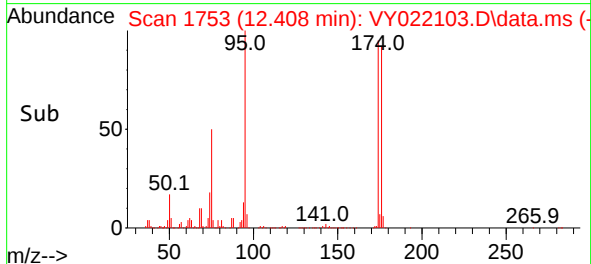
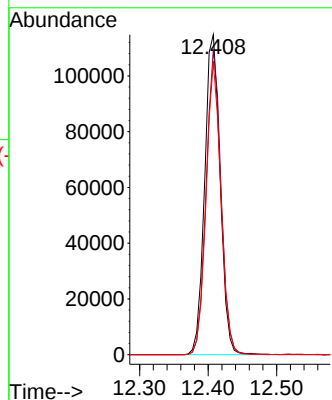
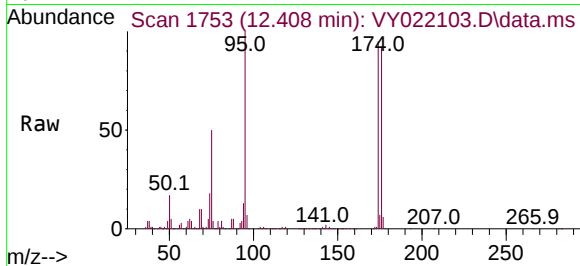




#62
4-Bromofluorobenzene
Concen: 37.385 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022103.D
Acq: 01 May 2025 13:28

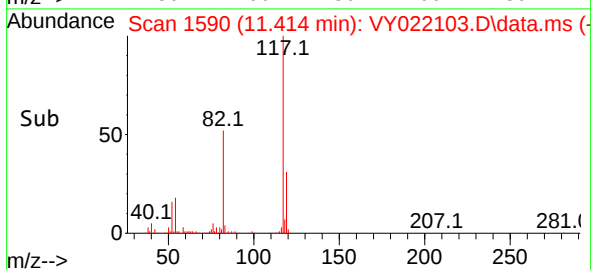
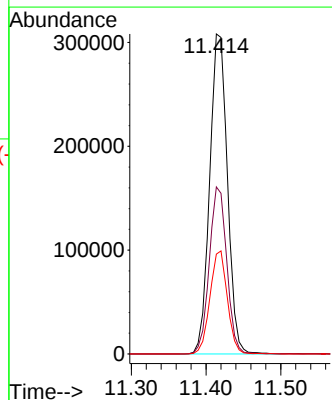
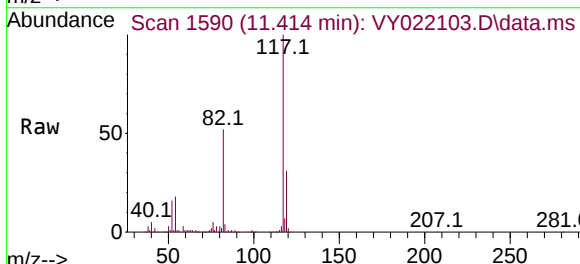
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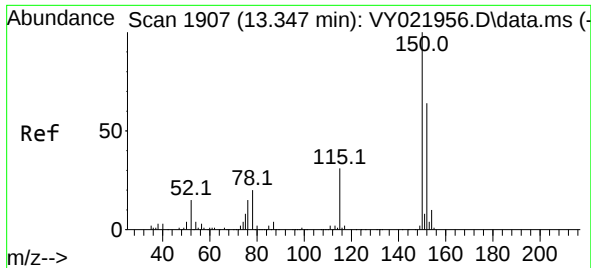
Tgt Ion: 95 Resp: 180430
Ion Ratio Lower Upper
95 100
174 92.3 0.0 179.0
176 87.9 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022103.D
Acq: 01 May 2025 13:28

Tgt Ion: 117 Resp: 508207
Ion Ratio Lower Upper
117 100
82 52.2 42.1 63.1
119 31.2 25.7 38.5

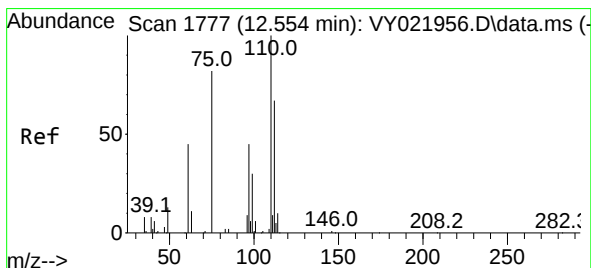
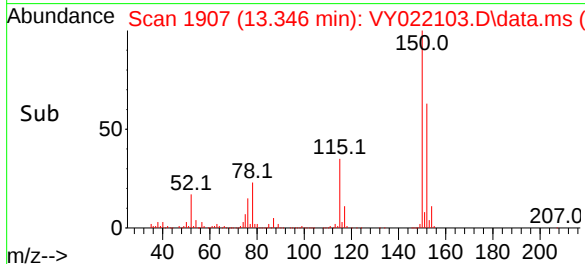
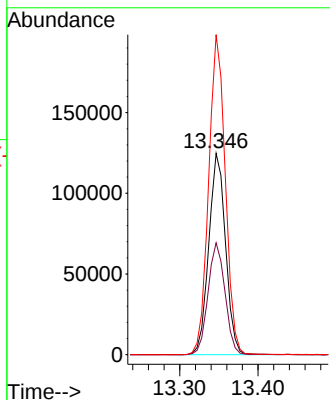
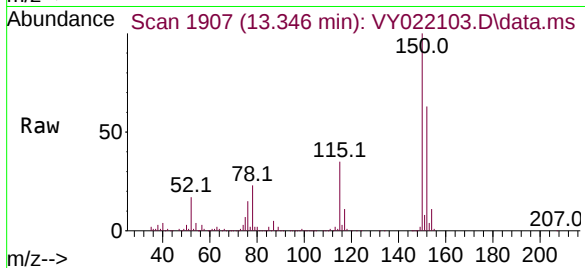




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022103.D
 Acq: 01 May 2025 13:28

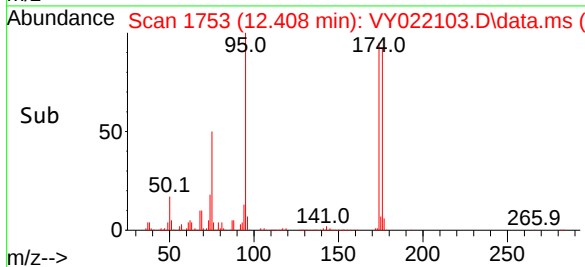
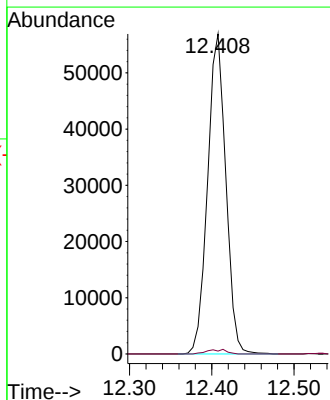
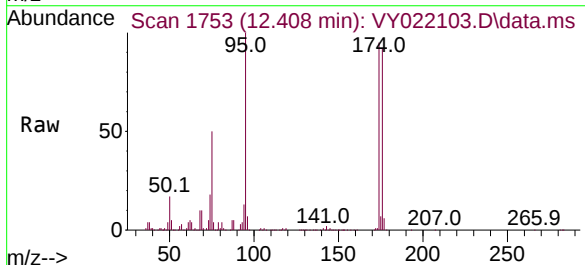
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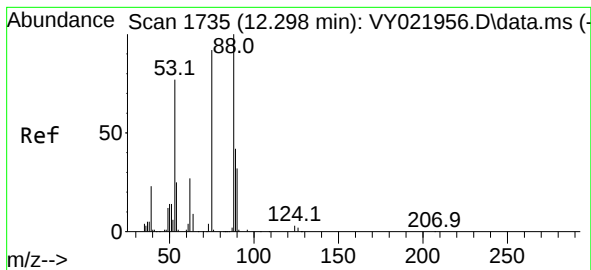
Tgt Ion:152 Resp: 185584
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.0 84.0
 150 157.3 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 55.112 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022103.D
 Acq: 01 May 2025 13:28

Tgt Ion: 75 Resp: 87607
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.718 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022103.D
 Acq: 01 May 2025 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-R-VOC

Tgt Ion: 75 Resp: 87607
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 37.2 55.8#

